

Title (en)

Methods of and apparatus for producing an optical fiber coupler

Title (de)

Verfahren und Einrichtungen zur Herstellung eines faseroptischen Kopplers

Title (fr)

Procédés et appareils pour fabriquer un coupleur à fibre optique

Publication

EP 0480453 B1 19970416 (EN)

Application

EP 91117372 A 19911011

Priority

- JP 27482590 A 19901012
- JP 32351690 A 19901126
- JP 32351790 A 19901126

Abstract (en)

[origin: EP0480453A2] The invention relates to a method of producing an optical fiber coupler, in which glass portions (1a, 2a) of a plurality of optical fibers (1, 2) are heated so as to be fusion bonded to each other and then, are heated so as to be stretched. In accordance with the invention a gas burner (10) is provided which acts as a heat source and has a plurality of gas nozzles (3a-3e) arranged in an axial direction of the optical fibers (1, 2) so as to be fixed in position during heating of the glass portions (1a, 2a). <IMAGE>

IPC 1-7

G02B 6/28; C03B 37/15; C03B 23/043

IPC 8 full level

G02B 6/28 (2006.01)

CPC (source: EP KR US)

C03B 37/01 (2013.01 - KR); **G02B 6/2835** (2013.01 - EP US); **G02B 6/2856** (2013.01 - EP US)

Cited by

EP0930278A3; US6408653B1; US9028158B2; WO2012099883A1; US8911161B2; US9526129B2

Designated contracting state (EPC)

DE ES FR GB IT NL

DOCDB simple family (publication)

EP 0480453 A2 19920415; **EP 0480453 A3 19921119**; **EP 0480453 B1 19970416**; AU 640049 B2 19930812; AU 8487391 A 19920416; CA 2052540 A1 19920413; CA 2052540 C 20001031; CN 1037028 C 19980114; CN 1062980 A 19920722; DE 69125681 D1 19970522; DE 69125681 T2 19970911; ES 2103290 T3 19970916; KR 920007937 A 19920527; KR 940002062 B1 19940316; TW 309926 U 19970701; US 5205851 A 19930427

DOCDB simple family (application)

EP 91117372 A 19911011; AU 8487391 A 19910930; CA 2052540 A 19910930; CN 91110661 A 19911012; DE 69125681 T 19911011; ES 91117372 T 19911011; KR 910017973 A 19911012; TW 83200084 U 19911011; US 76620291 A 19910927